

ABSTRACT OF THE INVENTION

A refrigerating device is provided in which a compressor, a gas cooler, an expansion mechanism and an evaporator are sequentially connected by using refrigerant pipes. The refrigerating device uses a refrigerant mixture in which a combustible nature
5 refrigerant and a carbon dioxide refrigerant are mixed, and an amount of the carbon dioxide refrigerant in the mixture refrigerant is 20 to 50 mass %. Alternatively, a maximum fill amount of the combustible nature refrigerant is 150g. Therefore, the refrigerating device has a higher coefficient of performance, a high refrigerating capacity and its safety is higher than that of using only hydrocarbon refrigerant.